

Title (en)
HOT ROLLED STEEL SHEET HAVING EXCELLENT FORMABILITY AND FATIGUE PROPERTIES AND MANUFACTURING METHOD THEREFOR

Title (de)
WARMGEWALZTES STAHLBLECH MIT HERVORRAGENDEN FORMBARKEITS- UND ERMÜDUNGSEIGENSCHAFTEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TÔLE D'ACIER LAMINÉE À CHAUD DOTÉE D'EXCELLENTE PROPRIÉTÉS D'APTITUDE À L'USINAGE ET DE RÉSISTANCE À LA FATIGUE, ET SON PROCÉDÉ DE FABRICATION

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Application
EP 17883011 A 20171212

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Abstract (en)
[origin: EP3561109A1] One aspect of the present invention relates to a hot rolled steel sheet having excellent formability and fatigue properties comprising, in percentage by weight: 0.3-0.8% of C; 13-25% of Mn; 0.1-1.0% of V; 0.005-2.0% of Si; 0.01-2.5% of Al; 0.03% or less of P; 0.03% or less of S; 0.04% or less (excluding 0%) of N; and the balance being Fe and inevitable impurities, wherein, when viewed in a cross section in the thickness direction, the hot rolled steel sheet comprises, by area fraction, 20-70% of a non-recrystallized structure and 30-80% of a recrystallized structure.

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